



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Toyota Automotive Braking Systems
Course Number: TOY202

Required Materials

Textbook(s): Today's Technician: Automotive Brake Systems
Required Readings: NA
Additional Materials: NA

Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

4 Weeks	
Week	Chapter/Topic/Lab
Week 1	Course Introduction Braking System Components and Performance Standards and Braking System Inspection Process Braking System Principles Disc Brakes & Hubbed Rotor and Wheel Bearing Service Machining Rotors and Disc Brake Diagnosis Service 6 Step Troubleshooting Procedures Ch. 3, 4, 12, 9, 13, 15 Quizzes Unit 1 Exam
Week 2	Drum Brakes Theory of Operation Drum Brakes Diagnosis and Service Drum Brake Machining Parking Brake Brake Hydraulic Systems and Master Cylinder Hydraulic Valves and Switches Ch. 10, 11, 14, 5, 6 Quizzes Unit 2 Exam
Week 3	Brake Bleeding Methods and Procedures, Brake Fluid, Lines and Hoses Power Brake Unit Operation, Diagnosis, and Service Hydraulic Brake Booster Ch. 7, 8, 16 Quizzes Unit 3 and 4 Exam
Week 4	ABS/VSC Operation ABS/VSC System Diagnostics Hybrid Braking Systems Ch. 17 – 20 Quizzes Unit 5 Exam Hands-on Finals Comprehensive Written Final